Patent claims

1. Thermoplastic moulding compositions comprising thermoplastic polycarbonate and 0.01 to 30 parts by wt. per 100 parts by wt. of polycarbonate aluminium compounds having an average particle diameter of 1 nm - 20 μm.

2. Thermoplastic moulding compositions according to claim 1, characterized in that the average particle diameter of the aluminium compound is 1 nm - 10 μm.

3. Thermoplastic moulding compositions according to claim 1, characterized in that that average particle diameter of the aluminium compound is 5 - 500 nm.

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4. Thermoplastic moulding composition according to claim 1, characterized in that it comprises oxides, water-containing oxides, phosphates, sulfates, sulfides, sulfites, hydroxides, borates or borophosphates of aluminium.

5. Thermoplastic moulding composition according to claim 1 comprising

A. 40 to 99 parts by wt. aromatic polycarbonate,

B. 0 to 50 parts by wt. vinyl copolymer,

C. 0.5 to 60 parts by wt. graft polymer,

D. 0.1 to 30 parts by wt. aluminium compound.

6. Moulding compositions according to claim 1, comprising 50 to 95 parts by wt. aromatic polycarbonate A.

7. Moulding compositions according to claim 5, comprising graft polymers C prepared by copolymerization of

5 to 95 parts by wt. of a mixture of

50 to 95 parts by wt. styrene, α-methylstyrene, styrene substituted on the nucleus by halogen or alkyl, C_1-C_8-alkyl methacrylate, C_1-C_8-alkyl acrylate or mixtures of these compounds and

5 to 50 parts by wt. acrylonitrile, methacrylonitrile, C_1-C_8-alkyl methacrylate, C_1-C_8-alkyl acrylate, maleic anhydride, C_1-C_4-alkyl or phenyl-N-substituted maleimide or mixtures of these compounds.

8. Moulding compositions according to any one of claims 1 to 7, which comprise at least one additive from the group consisting of stabilizers, pigments, mould release agents, flow auxiliaries and/or antistatics.

9. Moulding compositions according to any one of claims 1 to 8, which comprise at least one additive from the group consisting of fillers and reinforcing materials and inorganic compounds.

10. Use of the moulding compositions according to any one of the preceding claims for the production of shaped articles.

11. Shaped articles produced from moulding compositions according to any one of the preceding claims.

POLYCARBONATE MOLDING MATERIALS WITH ANTI-STATIC PROPERTIES

ABSTRACT OF THE DISCLOSURE

A thermoplastic molding compositions comprising thermoplastic polycarbonate and an additive amount of an aluminum compound is disclosed. The aluminum compound is characterized by its particle size and the composition is characterized by its improved anti-static properties.